

DPM-5429

U.S. DEPARTMENT OF LABOR
WORKPLACE STANDARDS ADMINISTRATION
BUREAU OF LABOR STANDARDS
MATERIAL SAFETY DATA SHEET

| | | | | |
|--------------------------|-----------------|-------------------|-------------|------|
| PERSONAL PROTECTION C | REACTIVITY 0 | FLAMMABILITY 0 | HEALTH 2 | HMS™ |
|--------------------------|-----------------|-------------------|-------------|------|

SECTION I: MATERIAL AND MANUFACTURER IDENTIFICATION

| | | |
|--|--|--|
| MANUFACTURER'S NAME 'D'AIRCRAFT PRODUCTS INC | | EMERGENCY TELEPHONE NO. (714) 632-8444 |
| ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE) 1191 HAWK CIRCLE, ANAHEIM, CA 92807 | | |
| CHEMICAL NAME AND SYNONYMS EPOXYRESIN | TRADE NAME AND SYNONYMS DAPCOTAC #3003 COMP. A | |
| CHEMICAL FAMILY AROMATIC EPOXY RESIN | FORMULA PROPRIATARY #3003 COMP A | |

REC'D FEB 01 1988

SECTION II: HAZARDOUS INGREDIENTS*

| PAINTS, PRESERVATIVES/SOLVENTS | % | TLV (UNITS) | ALLOYS AND METALLIC COATINGS | % | TLV (UNITS) |
|--|---|-------------|--|------|-------------|
| PIGMENTS | | | BASE METAL | | |
| CATALYST | | | ALLOYS | | |
| VEHICLE | | | METALLIC COATINGS | | |
| SOLVENTS | | | FILLER METAL PLUS COATING OR CORE FLUX | | |
| ADDITIVES | | | OTHERS | | |
| OTHERS | | | | | |
| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES* | | | | % | TLV (UNITS) |
| O-CRESOL GLYCIDYL ETHER | | | | <5 | |
| EPICHLOROHYDRIN | | | | <0.1 | |

SECTION III: PHYSICAL DATA

| | | | |
|-------------------------|-------------|---|------|
| BOILING POINT (°F) | N.A. | SPECIFIC GRAVITY (H ₂ O = 1) | 1.2 |
| VAPOR PRESSURE (mm Hg.) | <0.1 | PERCENT VOLATILE BY VOLUME (%) | <0.5 |
| VAPOR DENSITY (AIR = 1) | >1 | EVAPORATION RATE (BUTYRACETATE = 1) | <1 |
| SOLUBILITY IN WATER | NEGLECTIBLE | | |

APPEARANCE AND ODOR **AMBER, VISCOUS PASTE WITH MILD ODOR**

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

| | | | |
|--|--------------------------------------|----------------|----------------|
| FLASH POINT (METHOD USED) OVER 480°F (PMCC) | FLAMMABLE LIMITS NOT KNOWN | L _o | U _o |
| EXTINGUISHING MEDIA WATER FOG, FOAM CO., DRY CHEMICALS | | | |

SPECIAL FIRE FIGHTING PROCEDURES
WEAR FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS.

COOL EXPOSED CONTAINERS WITH WATER SPRAY.

UNUSUAL FIRE AND EXPLOSION HAZARDS
NO UNUSUAL HAZARDS. CLOSED CONTAINERS MAY RUPTURE WHEN EXPOSED TO EXTREME

*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES.
USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

HEAT.

SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

NOT ESTABLISHED

EFFECTS OF OVEREXPOSURE

PROLONGED OR REPEATED SKIN EXPOSURE CAN CAUSE MILD SKIN IRRITATION. MILDLY

IRRITATING TO THE EYES.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: REMOVE VICTIM TO FRESH AIR, SKIN: WASH WITH SOAP AND WATER

EYES: FLUSH WITH WATER. INGESTION: DO NOT GIVE LIQUIDS IF VICTIM IS UNCONSCIOUS

OTHERWISE GIVE WATER AND INDUCE VOMITING. IN ALL CASES ASK FOR MEDICAL HELP.

SECTION VI: REACTIVITY DATA

| STABILITY | UNSTABLE | | CONDITIONS TO AVOID |
|-----------|----------|---|---------------------|
| | STABLE | X | |

INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG OXIDIZING AGENTS, EXCESSIVE HEAT

HAZARDOUS COMPOSITION PRODUCTS

CO, CO₂, ALDEHYDES AND ACIDS

| HAZARDOUS POLYMERIZATION | MAY OCCUR | | CONDITIONS TO AVOID |
|-----------------------------|----------------|---|---------------------|
| | WILL NOT OCCUR | X | |

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

REMOVE BY SHOVELING AND SCRAPING INTO SALVAGE DRUMS. SOAK UP RESIDUE AND SMALL

SPILLS WITH INERT ADSORBENT. IF A SOLVENT IS USED FOR CLEANING, TAKE PROPER

PRECAUTIONS AGAINST A FIRE AND PERSONAL OVER EXPOSURE

WASTE DISPOSAL METHOD
DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)

WEAR A PROPERLY FITTED RESPIRATOR WHENEVER EXPOSED TO HIGH LEVELS OF VAPORS

| VENTILATION | LOCAL EXHAUST | SPECIAL |
|-------------|-------------------------------------|---------|
| | RECOMMENDED MECHANICAL (GENERAL) | OTHER |

PROTECTIVE GLOVES

PROTECTIVE RUBBER GLOVES
OTHER PROTECTIVE EQUIPMENT

EYE PROTECTION

GOGGLES

VENTILATION MUST BE PROVIDED TO CONTROL VAPOR LEVELS

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

AVOID CONTAMINATION OF SKIN. REMOVE CONTAMINATED CLOTHING. DESTROY LEATHER

ARTICLES THAT CANNOT BE DECONTAMINATED

OTHER PRECAUTIONS

STORE IN STURDY, TIGHT CONTAINERS

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| | | | | |
|-----------------------------|-----------------|-------------------|-------------|-----|
| PERSONAL PROTECTION 2 | REACTIVITY 0 | FLAMMABILITY 1 | HEALTH 2 | HMS |
| | | | | |

SECTION I: MATERIAL AND MANUFACTURER IDENTIFICATION

| | | |
|--|--|---|
| MANUFACTURER'S NAME 'D' AIRCRAFT PRODUCTS, INC.. | | EMERGENCY TELEPHONE NO. (714)632-8444 |
| ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE) 1191 HAWK CIRCLE, ANAHEIM, CA 92807 | | REC'D FEB 01 1988 |
| CHEMICAL NAME AND SYNONYMS EPOXY CURING AGENT | TRADE NAME AND SYNONYMS DAPCOTAC #3003 COMP. "B" | |
| CHEMICAL FAMILY ALIPHATIC AMINE | FORMULA PROPRIATARY #3003 "B" | |

SECTION II: HAZARDOUS INGREDIENTS*

| PAINTS, PRESERVATIVES/SOLVENTS | % | TLV (UNITS) | ALLOYS AND METALLIC COATINGS | % | TLV (UNITS) |
|--------------------------------|----|-------------|---|---|-------------|
| PIGMENTS | | | BASE METAL | | |
| CATALYST | | | ALLOYS | | |
| VEHICLE | | | METALLIC COATINGS | | |
| SOLVENTS XYLENE | 20 | 150 PPM | FILLER METAL PLUS COATING OR CORE FLUX | | |
| ADDITIVES | | | OTHERS | | |
| OTHERS | | | | | |

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES*

| | | |
|------------------------|-----|-------|
| POLYETHYLENE POLYAMINE | >30 | N.E. |
| DIETHYLENETRIAMAMINE | <10 | 1 PPM |

SECTION III: PHYSICAL DATA

| | | | |
|-------------------------|------|---|-----|
| BOILING POINT (°F) | >250 | SPECIFIC GRAVITY (H ₂ O = 1) | 1.4 |
| VAPOR PRESSURE (mm Hg.) | <5.0 | PERCENT VOLATILE BY VOLUME (%) | <20 |
| VAPOR DENSITY (AIR = 1) | <1 | EVAPORATION RATE (BUTYL ACETATE = 1) | >1 |
| SOLUBILITY IN WATER | NONE | | |

APPEARANCE AND ODOR TAN PASTE WITH SOLVENT

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

| | | | |
|---|------------------|-------------|-------------|
| FLASH POINT (METHOD USED) C.C. >200°F. | FLAMMABLE LIMITS | Lel N.E. | Uel N.E. |
|---|------------------|-------------|-------------|

EXTINGUISHING MEDIA

CO₂, DRYCHEMICALS, FOAM OR WATER AND OTHER STANDARD EXTINGUISHING MEDIA.

SPECIAL FIRE FIGHTING PROCEDURES

PROPER PROTECTIVE EQUIPMENT AND CLOTHING SHOULD BE USED IN FIGHTING ALL FIRES

INVOLVING CHEMICALS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

NONE KNOWN

*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES.
USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

NOT ESTABLISHED

EFFECTS OF OVEREXPOSURE INGESTION: SLIGHTLY TOXIC MAY RESULT IN VOMITING. INHALATION: NO SPECIFIC INFORMATION AVAILABLE. HEATING COULD GENERATE VAPORS THAT COULD CAUSE HEADACHE. SKIN: SLIGHTLY IRRITANT. EYES: COULD BE IRRITANT TO EYES.

EMERGENCY AND FIRST AID PROCEDURES INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL HELP. INHALATION: REMOVE TO FRESH AIR, SEEK MEDICAL HELP. EYES: FLUSH WITH PLENTY OF WATER. GET MEDICAL HELP IF IRRITATION PERSISTS. SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH WITH WATER AND GET MEDICAL CARE.

SECTION VI: REACTIVITY DATA

| STABILITY | UNSTABLE | CONDITIONS TO AVOID | |
|---|----------------|---------------------|---|
| | STABLE | X | EXCESSIVE HEAT AND SOURCES OF IGNITION. |
| INCOMPATIBILITY (MATERIALS TO AVOID) | | | |
| STRONG OXIDIZING AGENTS. EXCESSIVE HEAT AND SOURCE OF IGNITION. | | | |
| HAZARDOUS DECOMPOSITION PRODUCTS | | | |
| CO, CO ₂ , OXIDES OF NITROGEN. TRACES OF ACROLEIN. | | | |
| HAZARDOUS POLYMERIZATION | MAY OCCUR | CONDITIONS TO AVOID | |
| | WILL NOT OCCUR | X | NONE KNOWN |

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

DIKE SPILL, ABSORB WITH INERT MATERIAL AND COLLECT FOR DISPOSAL. TO PREVENT SLIPPING, CLEAN THE SURFACE WITH SOLVENT. USE ENOUGH VENTILATION.

WASTE DISPOSAL METHOD

DISPOSE ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)

NONE KNOWN

| VENTILATION | LOCAL EXHAUST | SPECIAL |
|-------------|----------------------|---------|
| | MECHANICAL (GENERAL) | OTHER |
| | RECOMMENDED | NONE |
| | O.K. | |

PROTECTIVE GLOVES

RUBBER GLOVES

EYE PROTECTION

SAFETY GLASSES

OTHER PROTECTIVE EQUIPMENT

RUBBER APRON

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

STORE AWAY FROM OXIDIZING AGENTS AND CONTAMINATION AT TEMPERATURES BELOW 80°F.

OTHER PRECAUTIONS

KEEP CONTAINERS CLOSED. USE ENOUGH VENTILATION.